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ANNUAL REPORT.

Baltimore.
BOARD OF
FIRE COMMISSIONERS.

FIRE DEPARTMENT

BALTIMORE

1933

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BOARD OF FIRE COMMISSIONERS

FIRE DEPARTMENT BALTIMORE

ANNUAL REPORT

1933.

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Baltimore,
January 12,
1934.

The Board of Fire Commissioners submits Annual Report and information concerning the Fire Department generally for the year 1933 as follows:

Control and Supervision

The Fire Department of Baltimore is under the supervision of three Commissioners, appointed by the Mayor of Baltimore, for a term of four (4) years each, at present consisting of Alfred E. Sharp, President, George T. Evans and Sidney T. Manning. P. W. Wilkinson is Secretary.

Fire Department

Howard Travers, Chief of Fire Department, has supervision and control of the Uniformed Force, and who is assisted by four Deputy Chiefs, twenty-four Battalion Chiefs, and one Superintendent of Machinery.

Personnel

Personnel of Fire Department as follows:

FIRE DEPARTMENT

Roster 1933

Men No. of	Position	Salary Per Annum	Contri- bution	Net Salary	Per- centage
1	President	\$2000.00	200.00	1800.00	10%
2	Commissioners	1500.00	150.00	1350.00	"
1	Department Secretary	3300.00	330.00	2970.00	"
1	Principal Clerk	2100.00	210.00	1890.00	"
1	Senior Stenographer	1900.00	190.00	1710.00	"
1	Senior Stenographer	1800.00	180.00	1620.00	"
1	Chief of Fire Department	5600.00	560.00	5040.00	"
4	Deputy Chiefs	4000.00	400.00	3600.00	"
24	Battalion Chiefs	3000.00	300.00	2700.00	"
1	Supt. of Machinery	3000.00	300.00	2700.00	"
2	Asst. Supt. of Machinery	2600.00	260.00	2340.00	"
94	Fire Captains	2100.00	210.00	1890.00	"
93	Fire Lieutenants	1975.00	197.50	1777.50	"
4	Marine Enginemmen	2065.00	206.50	1858.50	"
2	Head Enginemmen	2050.00	205.00	1845.00	"
58	Enginemmen	2050.00	205.00	1845.00	"
12	Asst. Fire Enginemmen, M.D.	1900.00	190.00	1710.00	"
2	Asst Fire Enginemmen, M.D.	1800.00	180.00	1620.00	"
1	Asst. Fire Enginemmen, M.D.	1700.00	170.00	1530.00	"
1	Asst. Motor Marine Enginemman ..	1900.00	190.00	1710.00	"
61	Asst. Fire Enginemmen	1900.00	190.00	1710.00	"
10	Mates	1900.00	190.00	1710.00	"
15	Stokers, Marine Division	1800.00	180.00	1620.00	"
1	Stoker, Marine Division	1600.00	160.00	1440.00	"
4	Steam Firemen	1800.00	180.00	1620.00	"
921	Firemen	1800.00	180.00	1620.00	"
28	Firemen	1700.00	170.00	1530.00	"
55	Firemen	1600.00	160.00	1440.00	"
1	Blacksmith	2050.00	205.00	1845.00	"
1	Blacksmith	1900.00	190.00	1710.00	"
1	Marine Machinist	1900.00	190.00	1710.00	"
1	Boilermaker	1900.00	190.00	1710.00	"
2	Department Surgeons	2700.00	270.00	2430.00	"
1	Supt. of Telegraph	3300.00	330.00	2970.00	"
1	Asst. Supt. of Telegraph	3000.00	300.00	2700.00	"
1	Asst. Supt. of Tele-Bat	2100.00	210.00	1890.00	"
7	Fire Alarm Operators	2400.00	240.00	2160.00	"
7	Fire Alarm Telephone Oper.	1800.00	180.00	1620.00	"
11	Linemen	2100.00	210.00	1890.00	"
			Per Diem		
10	Linemen's Helpers	1080.00	81.00	3.33	7½%
1	Painter	1650.00	165.00	4.95	10
1	Charwoman	600.00	30.00	570.00	5%

1447

Fire Companies

Fire Companies consists of the following:

- 54 Engine Companies
- 25 Truck Companies
- 5 Hose Companies
- 4 Chemical Companies
- 2 Water Tower Companies
- 5 Fireboats

Apparatus and Equipment

Engine Houses and equipment in Service and in Reserve as follows:

In Service

Number of Stations	74
Gasoline Pumping Engines	53
Hook and Ladder Trucks	25

Hose Wagons	5
Water Towers	2
Flood Light Trucks	2
Fireboats	5
Runabouts	26
Touring Cars	2
Sedan	1
Ambulances	6
Commissary Truck	1
Supply Trucks	4
Wrecking Trucks	2
Tank Trucks	2
Telegraph Department Trucks	3
Foam Truck	1
Battery Truck	1
Shop Trucks	3
Hose ($\frac{3}{4}$ -inch)	22,600'
Hose ($2\frac{1}{2}$ -inch)	145,390'
Hose (3-inch)	31,950'

Reserve Apparatus

Steam Fire Engines	9
Hose Wagons	12
Hook and Ladder Trucks	6
Gasoline Pumping Engines	9
Runabouts	5
Foam Truck	1
Ambulance	1

Headquarters

Headquarters of the Fire Department and Fire Alarm Telegraph System are located at Gay and Lexington streets.

School for Officers

An Officers' School is maintained at Headquarters for Officers of the Fire Department generally, as well as a School of Instruction for firemen at quarters of Engine Company No. 36, Edmondson avenue and Bentalou street. All instructions in charge of a Battalion Chief.

High Pressure Service

High Pressure Fire Service is installed and operated for the extinguishment of fires within the congested value district, or centrally located sections of Baltimore.

High Pressure Fire Hydrants	226
Regular City Fire Hydrants	7300

Repair Shop

Repair Shop located at Key Highway and Webster streets, under the supervision of Mr. Joseph P. Whalen, Superintendent of Machinery, is equipped with the most modern machinery for making necessary repairs to fireboats and maintenance of departmental equipment generally.

Fire Prevention Bureau

The Fire Prevention Bureau, under the supervision of a Battalion Chief, aided by four Captains, assigned Headquarters, for inspection purposes, is one of the most valuable adjuncts of the service.

Operations—1933.

Violations of Fire Prevention Ordinance received -----	12,752
Violations of Fire Prevention Ordinance abated -----	12,266
Violations of Building Code for Bureau of Buildings received -----	4,053
Gasoline Tank Applications -----	187
Building Applications -----	171
Fuel Oil System Applications -----	81
Special Reports -----	139
Court Cases -----	3
Total -----	<hr/> 29,652

Fire Alarm Telegraph System

Fire Alarm Telegraph System, under the supervision of Mr. Henry Debelius, Superintendent of Telegraph, installed in 1923, is considered one of the most modern in the country. Fire Alarm Boxes in service:

Regular City Boxes -----	1460
American District Telegraph Boxes -----	383
	<hr/> 1843

Alarms

Alarms of fire for the year 1933 were as follows:

Box Alarms -----	2094	
Silent Alarms -----	3262	
Special and other causes -----	264	5620
	<hr/>	<hr/>

Number of Buildings:

Brick and Stone Buildings-----	2778		
Iron-Clad Buildings-----	23		
Frame Buildings-----	646		
Concrete Block Buildings-----	76		
Other than Buildings-----	1894	5417	
	<hr/>		
False Alarms-----		203	5620
		<hr/>	<hr/>

Number of Fires:

Confined to building or place of origin-----	5403		
Extending to adjoining buildings	14	5417	
	<hr/>	<hr/>	

Fire Losses:

Buildings and Contents (Approximate)-----	\$2,225,000.00
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Municipal Ambulance Service

Municipal Ambulance Service is operated by the Fire Department, and record of service for the year 1933 is as follows:

Accidents-----	1972		
Sick-----	8174		
Hospital transfers-----	2988		
Patients removed before arrival of Ambulance or unnecessary calls--	870	14004	
	<hr/>	<hr/>	
Highway calls-----	2690		
Residence calls-----	8326		
Hospital calls-----	2988	14004	
	<hr/>	<hr/>	

Oxygen Administered:

	Cases Revived Died			
Illuminating Gas-----	108	73	35	
Pneumonia-----	22	5	17	
Heart Trouble-----	2	1	1	
Drowning-----	3	—	3	
Hanging-----	1	—	1	
Unknown Causes-----	3	2	1	
	<hr/>	<hr/>	<hr/>	
Total-----	139	81	58	139
				<hr/>
Blood Transfusions-----				51
				<hr/>

FIRE DEPARTMENT

Operating Expenses

	CREDITS				ENCUMBRANCES & LIQUIDATIONS			DEBITS	
	1933 Budget Appropriations	Cash Increments	Acctg. Adjust- ments	Total Credits	Encumbrances	Liquidations	Cash Expenditures	Acctg. Adjust- ments	Unencum- bered Balances
2.40A Salaries	\$2,438,791.50	\$234.65	—	\$2,439,026.15	—	—	\$2,426,967.07	\$12,059.08	—
2.41 Expenses	20,000.00	562.00	\$49,221.77	69,783.77	\$41,331.00	\$36,247.00	62,478.86	2,220.91	—
2.42 Hose	8,500.00	119.50	—	8,619.50	8,550.00	8,550.00	8,619.50	—	—
2.43 Fuel and Light	60,000.00	—	1,764.24	61,764.24	40,449.00	40,175.00	58,256.06	2,119.18	\$1,115.00
2.44 Fire Alarm Telegraph	15,000.00	828.76	252.14	16,080.90	10,724.00	10,724.00	13,678.31	2,402.59	—
2.49 Insurance Accident	2,000.00	1,000.00	—	3,000.00	139.00	139.00	2,910.49	—	89.51
2.50 Washing	14,000.00	—	1,356.70	15,356.70	7.00	7.00	15,356.70	—	—
2.54 Overhead & Underground Wires	13,000.00	—	49.86	13,049.86	5,352.00	5,352.00	7,002.78	6,046.36	.72
2.56 Pumping Station Repairs	4,000.00	—	—	4,000.00	1,105.00	1,105.00	3,997.16	—	2.84
2.57 Fireboat Repairs	10,000.00	—	484.44	10,484.44	9,345.00	9,345.00	10,474.75	—	9.69
2.58 Municipal Heat Line Repairs	1,000.00	—	88.00	1,088.00	93.00	93.00	357.45	720.23	10.32
2.59 Fire Alarm Boxes	7,500.00	—	—	7,500.00	7,491.00	7,491.00	7,484.43	—	15.57
11.10 Firemen's Regular Pensions	175,307.52	395.31	7,447.16	183,149.99	—	—	183,149.99	—	—
11.11 Pensions & Firemen's Comp. Widows	23,737.50	43.75	—	23,781.25	—	—	23,297.40	—	483.85
TOTAL	\$2,792,836.52	\$3,183.97	\$60,664.31	\$2,856,684.80	\$124,586.00	\$119,228.00	\$2,824,030.95	\$25,586.35	\$1,727.50

December 31, 1933.

Departmental Property

Value of Buildings	-----	\$2,599,580.97
Value of Apparatus	-----	2,290,268.28

Respectfully submitted,

ALFRED E. SHARP,
President.
GEORGE T. EVANS,
Commissioner.
SIDNEY T. MANNING,
Commissioner.

P. W. WILKINSON,
Secretary.

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BOARD OF
FIRE COMMISSIONERS

FIRE DEPARTMENT

BALTIMORE

Annual Report

1934

Baltimore.

BOARD OF

FIRE COMMISSIONERS.

FIRE DEPARTMENT

BALTIMORE

Annual Report,

No. 2250P, Recd. May 1935

1934

FIRE DEPARTMENT OF BALTIMORE

FIRE COMMISSIONERS

Alfred E. Sharp, President

George T. Evans

Sidney T. Manning

SECRETARY

Pinkney W. Wilkinson

CHIEF OF THE FIRE DEPARTMENT

Howard Travers

DEPUTY CHIEFS

1. Joseph P. McGinn

3. John F. Steadman

2. George D. Otter

4. Edward A. Ward

BATTALION CHIEFS

1. Michael A. Lind

13. George Baumann

2. Lorenz A. Dolle

14. Charles H. Thiess

3. Frederick W. Joeckel

15. Clarence W. Smith

4. Charles G. Engleman

16. Edward J. McKewen

5. George H. Hilgeman

17. Howard R. Waite

6. Harry A. Dolle

18. Harry B. Scheve

7. Albert J. Fitzpatrick

19. Hugh J. Lavery

8. Thomas J. Campbell

20. Thomas A. Hobbs

9. Louis Buhler

21. Charles H. Wilser

10. John L. Smith

22. Grover C. Jones

11. William F. Leidlich

23. Robert S. Tate

12. Thomas A. Heagerty

24. Frederick C. Weiss

SUPERINTENDENT OF MACHINERY

Joseph P. Whalen

SUPERINTENDENT OF FIRE ALARM TELEGRAPH

Henry Debelius

DEPARTMENT SURGEONS

Dr. Frank N. Ogden

Dr. Oliver S. Lloyd

BOARD OF FIRE COMMISSIONERS
FIRE DEPARTMENT
BALTIMORE
ANNUAL REPORT
1934

Baltimore, December 31, 1934.

The Board of Fire Commissioners submits Annual Report and information concerning the Fire Department generally for the year 1934 as follows:

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FIRE DEPARTMENT

Howard Travers, Chief of Fire Department, has supervision and control of the Uniformed Force, and who is assisted by four Deputy Chiefs, twenty-four Battalion Chiefs, and one Superintendent of Machinery.

HEADQUARTERS

Headquarters of the Fire Department and Fire Alarm Telegraph System are located at Gay and Lexington streets.

SCHOOL FOR OFFICERS

An Officers' School is maintained at Headquarters for Officers of the Fire Department generally, as well as a School of Instruction for firemen at quarters of Engine Company No. 36, Edmondson avenue and Bentalou street. All instructions in charge of a Battalion Chief.

RESERVE APPARATUS—SECOND LINE

Reserve Apparatus is maintained for Second Line, manned by off shift, in the event of major fires. It permits an addition fully equipped and completely manned to the regular fire equipment of 17 engines, 6 trucks and 1 chemical for service in an emergency.

FIRE PREVENTION BUREAU

The Fire Prevention Bureau, under the supervision of a Battalion Chief, aided by four Captains, assigned Headquarters, for inspection purposes, is one of the most valuable adjuncts of the service.

OPERATIONS 1934

Violations of Fire Prevention Ordinance received.....	12,001
Violations of Fire Prevention Ordinance abated.....	11,737
Violations of Building Code for Bureau of Buildings received.....	4,084
Gasoline Tank Applications.....	174
Building Applications	75
Fuel Oil System Applications.....	15
Special Reports	196
Court Cases	0
Total.....	28,282

REPAIR SHOP

REPAIR SHOP—A one-story fireproof sprinklered building at Key Highway and Webster street, on the water front, and is in charge of the Superintendent of Machinery. The shop is well equipped with all types of machine tools.

All repairs, except minor ones, which can be made in stations, and rebuilding of apparatus are performed at this shop; also some manufacture of apparatus and equipment, including all ladders shorter than 35 feet. A stock of repair parts is kept on hand for general use.

A mechanic and two helpers sleep in the shop nights, ready for any special call or for multiple-alarm fires; others called if needed.

DEPARTMENT INFIRMARY

The following accident and sick cases were handled by Department Surgeons for the year 1934.

Accident Cases	390
Sick Cases	1075
Treatments	5455
Operations—Major and Minor.....	118
Surveys	12
Percentage off duty.....	2½

Appended hereto will be found schedules showing detailed information concerning the department generally.

The Board desires to express its appreciation to members of the Fire Department generally for faithful and efficient services rendered during the past year under the most trying circumstances.

Respectfully submitted,

ALFRED E. SHARP,

President.

GEORGE T. EVANS,

Commissioner.

SIDNEY T. MANNING,

Commissioner.

P. W. WILKINSON,

Secretary.

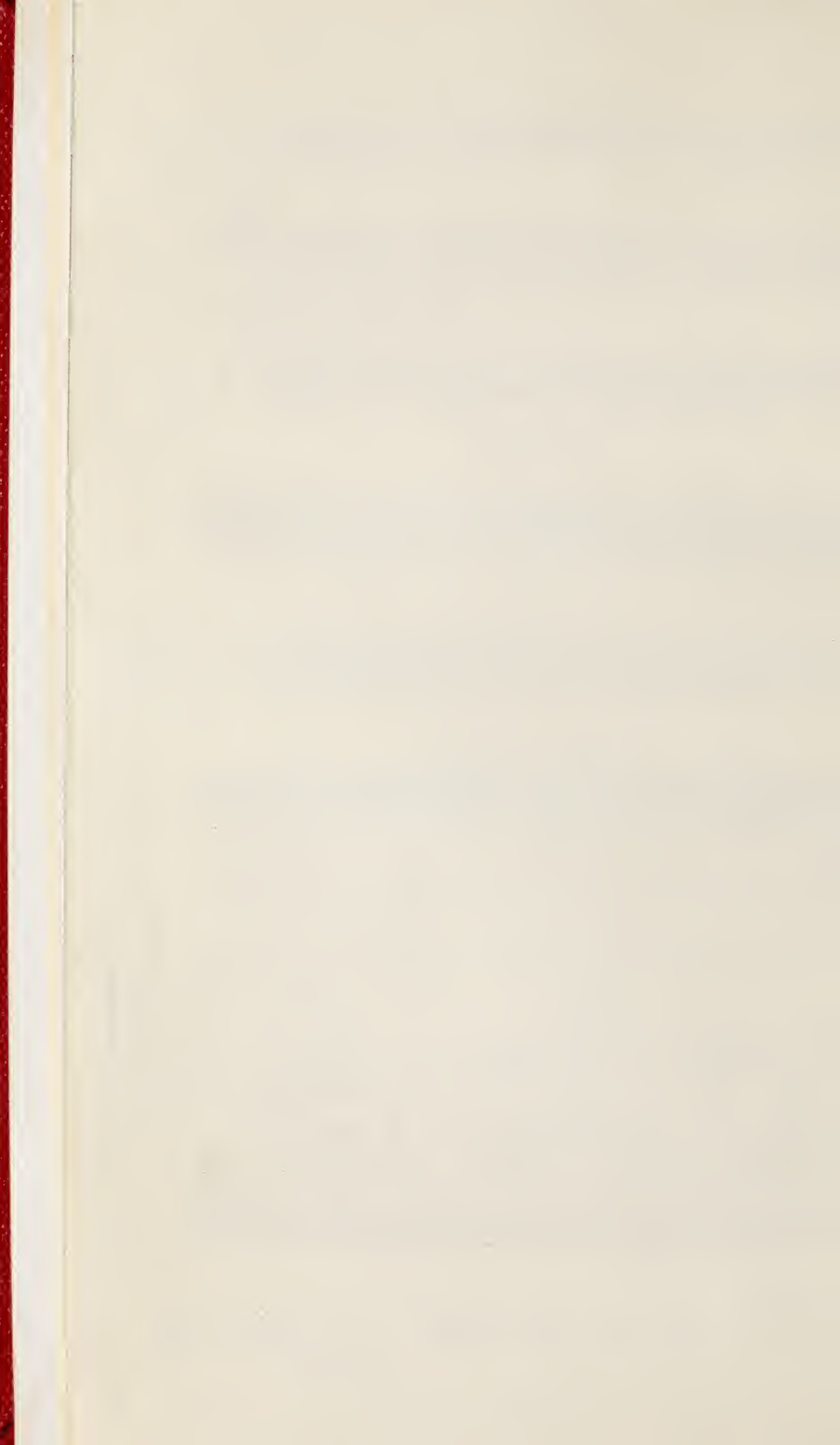
ROSTER

No. of Members	Position	Salary Per Annum	Individual Contribution	Net Salary	Total Contributions	Semi-Monthly Salary	Percentage
1	President	\$2,000.00	\$100.00	\$1,900.00	\$ 100.00	\$ 79.17	5%
2	Commissioners	1,500.00	75.00	1,425.00	150.00	59.38	5%
1	Department Secretary	3,300.00	247.50	3,052.50	247.50	127.19	7 1/2%
1	Principal Clerk	2,100.00	105.00	1,995.00	105.00	83.13	5%
1	Senior Stenographer	1,900.00	95.00	1,805.00	95.00	75.21	5%
1	Senior Stenographer	1,800.00	90.00	1,710.00	90.00	71.25	5%
1	Chief of Fire Department	5,600.00	420.00	5,180.00	420.00	215.83	7 1/2%
4	Deputy Chiefs	4,000.00	300.00	3,700.00	1,200.00	154.17	7 1/2%
24	Battalion Chiefs	3,000.00	225.00	2,775.00	5,400.00	115.63	7 1/2%
1	Superintendent of Machinery	3,000.00	185.00	2,815.00	225.00	115.63	7 1/2%
2	Asst. Supt. of Machinery	2,600.00	185.00	2,415.00	390.00	100.21	7 1/2%
94	Fire Captains	2,100.00	105.00	1,995.00	9,870.00	83.13	5%
93	Fire Lieutenants	1,975.00	98.75	1,876.25	9,183.75	78.18	5%
4	Marine Engineers	2,085.00	103.25	1,981.75	413.00	81.74	5%
2	Head Engineers	2,050.00	102.50	1,947.50	205.00	81.15	5%
58	Fire Engineers	2,050.00	102.50	1,947.50	5,945.00	81.15	5%
12	Asst. Fire Engineers, Mar. Div.	1,900.00	95.00	1,805.00	1,140.00	75.21	5%
2	Asst. Fire Engineers, Mar. Div.	1,800.00	90.00	1,710.00	180.00	71.25	5%
1	Asst. Fire Engineer, Mar. Div.	1,700.00	85.00	1,615.00	85.00	67.30	5%
61	Asst. Motor Marine Engineman	1,900.00	95.00	1,805.00	95.00	75.21	5%
10	Asst. Fire Enginemen	1,900.00	95.00	1,805.00	5,795.00	75.21	5%
13	Mates—Fireboat	1,900.00	90.00	1,810.00	1,170.00	71.25	5%
3	Stokers—Marine Division	1,600.00	80.00	1,520.00	240.00	63.34	5%
3	Stokers—Marine Division	1,800.00	90.00	1,710.00	270.00	71.25	5%
889	Steam Firemen	1,800.00	90.00	1,710.00	80,010.00	71.25	5%
27	Firemen	1,700.00	85.00	1,615.00	2,295.00	67.30	5%
89	Firemen	1,600.00	80.00	1,520.00	7,120.00	63.34	5%
1	Blacksmith	2,050.00	102.50	1,947.50	102.50	81.15	5%
1	Blacksmith	1,900.00	95.00	1,805.00	95.00	75.21	5%
1	Marine Machinist	1,900.00	95.00	1,805.00	95.00	75.21	5%
1	Boilermaker	1,900.00	95.00	1,805.00	95.00	75.21	5%
2	Department Surgeons	2,700.00	202.50	2,497.50	405.00	104.07	7 1/2%
1	Superintendent of Telegraph	3,300.00	247.50	3,052.50	247.50	127.19	7 1/2%
1	Asst. Supt. of Telegraph	3,000.00	225.00	2,775.00	225.00	115.63	7 1/2%
1	Asst. Supt. of Telegraph—Bat.	2,100.00	105.00	1,995.00	105.00	83.13	5%
7	Fire Alarm Operators	2,400.00	180.00	2,220.00	1,260.00	92.50	5%
7	Fire Alarm Telephone Operators	1,800.00	90.00	1,710.00	630.00	71.25	5%
11	Linemen	2,100.00	105.00	1,995.00	1,155.00	83.13	5%
9	Linemen's Helpers	1,080.00		1,080.00		3.60 P. D.	
1	Laborer	1,080.00		1,080.00		3.60 P. D.	
1	Painter	1,650.00	82.50	1,567.50	82.50	5.23 P. D.	
1	Charwoman	600.00		600.00		25.00	

1,447

\$137,886.75

1934 Gross Appropriation	\$2,702,335.00
Less Contributions	137,886.75
Net Appropriation	\$2,564,448.25



FIRE DEPARTMENT OF BALTIMORE—1934

HIGH PRESSURE SERVICE

High Pressure Fire Service installed and operated for the extinguishment of fires within the congested value district, or centrally located area of Baltimore.

PUMPING STATION—GENERAL—Located on west side of South street, north of Pratt street, and extends through to an alley. Suction is taken through a 30-inch cast-iron main 400 feet long connected to the 40-inch domestic supply main in Lombard street having a pressure of about 75 pounds. An auxiliary supply may be taken from a pump well in the station, connected by a 42-inch reinforced concrete conduit with the harbor, 250 feet distant; maximum suction lift about 15 feet. Pumps discharge into a loop so gated the supply may pass through either one or both of the two 24-inch force mains; discharge mains have large air chambers.

DISTRIBUTION SYSTEM—The area covered by the mains of the system is bounded by Pratt, Eutaw, Franklin, Howard, Saratoga, Gay, Baltimore and South streets; it covers about 170 acres. Elevations in the area served range from 8 near the pumping station to 100 at the Northwestern corner.

The general plan consists of 24-inch force mains extending north and south from the pumping station, with 16-inch mains three blocks apart in both directions, and 10-inch lines in other streets. There are 1,275 feet of 24-inch, 17,052 feet of 16-inch, and 28,299 feet of 10-inch pipe in the distribution system, not including 7,137 feet of 8-inch in hydrant connections. Blanked connections left at intersections on border streets to permit extending the system in all directions.

PIPE—All pipe is lap-welded, soft, open-hearth steel, designed for a maximum working pressure of 300 pounds per square inch. The 8, 10 and 16-inch pipes are 7/16-inch thick, and the 24-inch are 1/2-inch thick; the standard length is 20 feet. Valves are set with ordinary flanged joints made up with corrugated copper gaskets. Joints used for pipe and specials have expanded ends of pipes fitting over an inner separating ring with external surfaces of spherical zones, tightened up by means of bolts and outside steel flanges.

The use of steel pipe and universal joints take care of stresses due to temperature changes, settlement and other disturbing features without the use of expansion joints. The pipe lines, including valves, hydrants and other fittings, were tested and made tight at a pressure of 600 pounds per square inch before backfilling.

GATE VALVES—Gate valves are steel, bronze mounted, of a substantial double-disc type; the 16 and 24-inch valves are geared, and the latter have 4-inch by-passes; the 24-inch are inside the station; others are set in concrete valve boxes, each provided with a gate key. There are 90 16-inch and 193 10-inch valves in the distribution system. Valves are generally located on property lines, ordinarily four at each street intersection, so that except in two or three cases not more than a single side of a block would be put out of service by a single break.

RELIEF AND AIR VALVES—Three large relief valves are located at various points on the distribution system, and six smaller ones in the station. Air valves are provided at all summits.

HYDRANTS—There are 226 hydrants of a specially designed flush type, opening against the pressure, having 10-inch barrels, 28 square inches minimum waterway at valve opening and 8-inch connection to the main; hydrants on 24-inch mains have gated connections. Hydrants are provided with sidewalk covers, upon removal of which are connected portable service heads, locking into position by a slight turn. The average linear spacing is 170 feet and the area served by each 42,700 square feet. Hydrants are located at street intersections between corner of building lines and curb corners, at alley intersections and alternating on opposite sides of the street.

PORTABLE SERVICE HEADS—All heads are provided with four 2 1/2-inch outlets equipped with regulation and shut-off valves, and one 3-inch opening on top for turret or monitor nozzle; one head has a Morse monitor nozzle with tips up to 4 inches in diameter for heavy duty. The type of head does not increase the time consumed in getting into action and permits the use of regulator valves permanently attached, thus giving excellent control of the pressure on hose lines and avoiding dependence on a signaling system. Number in service, 48.

FIREBOAT CONNECTION—A 10-inch fireboat connection, equipped with gate and check-valves, has six 3 1/2-inch inlets located in two manholes near the foot of Cheapside.

FIRE DEPARTMENT OF BALTIMORE—1934

FIRE BOATS

CATARACT (Engine Company No. 16) was put in service in 1914; its propelling engines are oil burning; the 2 fuel oil storage tanks are of 4,116 and 6,530 gallons capacity. The dimensions of the boat are as follows: Length, 100 feet; beam, 25 feet; draft, 12 feet; speed is 12 miles an hour. Hull and deckhouse are of steel construction and main deck wood. Power equipment includes 2 B. & W. boilers, 144 inches in diameter and 8 feet 9½ inches long; 2 single, surface-condensing 18- by 18-inch propelling engines both working on the same shaft; 2 Dean Hill centrifugal pumps with rated capacity of 3,500 gallons each, and 2 duplex, double-acting Ahrens pumps with rated capacity of 1,150 gallons each. Fire fighting equipment includes a steel 25-foot water tower aft; 3 monitor pipes; two manifolds with gated hose outlets; two 450-gallon foam tanks with an air tank and compressor for oil fires either in or outside the boat; 2½- and 3-inch hose, and minor equipment.

DELUGE (Engine Company No. 39) was placed in service in 1911, its dimensions are: Length, 120 feet; beam, 28 feet; draft 11½ feet; speed, 14 miles an hour. The hull, deck and deck houses are of steel construction. Power equipment includes two Scotch marine boilers, 12½ feet in diameter and 11½ feet long, installed in 1911; two single non-condensing 20- by 20-inch propelling engines; two Worthington 2-stage centrifugal pumps with rated capacity of 4,500 gallons each at 150 pounds pressure driven by two Curtis Multi-stage turbines, and two double-acting La-France piston pumps of 700 and 900 gallons capacity. Fire fighting equipment includes a steel lattice, 30-foot water tower aft; three monitor pipes; two manifolds with 2½- or 3-inch hose connections and minor equipment.

TORRENT (Engine Company No. 48) was placed in service in 1921; its dimensions are: Length, 121¼ feet; beam 29½ feet; draft, 12½ feet; speed 15 miles an hour. The hull and deck houses are of steel construction. Power equipment includes two B. & W. boilers with 42-inch drums, 10¼ feet long, installed in 1921, two single surface-condensing 20- by 20-inch propelling engines, two Worthington single-stage centrifugal pumps with rated capacity of 4,500 gallons each at 150 pounds pressure driven by two Kerr turbines and two vertical, crane-neck, double-piston Ahrens-Fox pumps with rated capacity of 1,000 gallons per minute each. Fire fighting equipment includes a 25-foot steel lattice water tower aft, 4 monitor pipes, three manifolds for hose outlets, and minor equipment.

SUB-CHASER 428 (Engine Company No. 49) was converted and placed in service in 1922. It is 105 feet long, has a beam of 14¾ feet and draft of six feet; speed is 17 miles an hour. The hull, pilot house and deck are wood construction. Power equipment includes two 6-cylinder gasoline Standard engines for propulsion and two Mid-west 1,400-gallon centrifugal pumps each driven by a Van Blerk 6-cylinder gasoline engine. Fire fighting equipment includes two monitor pipes and manifolds, one for each pump, two 100-gallon foam tanks for use either in or outside the boat, and minor equipment.

Each boat also carries a foam generator and about a ton of foam powder.

TENDER, was placed in service and is used by the chief of the marine division as an inspection boat and to direct operations at serious fires. It is a steam cabin launch and is equipped with soda and acid tanks and chemical hose for fire fighting purposes.

FIRE DEPARTMENT OF BALTIMORE—1934

MUNICIPAL AMBULANCE SERVICE

The Municipal Ambulance Service was inaugurated by direction of the Mayor of Baltimore, Hon. Howard W. Jackson, June 15, 1927, as a unit of the Fire Department of Baltimore, to handle emergency public service.

The ambulances are intended and used strictly for emergency and charitable purposes. Non-charitable or pay patients are handled by private ambulances.

All accident and emergency sick calls are handled at hospital in the nearest Zone unless the patient or representative directs otherwise.

The system enables the public of Baltimore to secure an ambulance almost as quickly as sounding an alarm of fire.

All calls are received at Fire Department Headquarters and relayed by operators to the nearest ambulance in service. A complete record is made by the attendants of each run and case, forwarded Headquarters daily, and duplicate sent the Police Department for reference.

The service consists of five (5) ambulances for regular duty; an ambulance for special duty of City Hospitals, an ambulance for departmental work generally, and an ambulance in reserve.

Ambulances are manned by selected (twenty-four) men from the Fire Department, who have received advance course of the American Red Cross and kept up to date in first aid work instructions.

The ambulance crews operate in two (2) shifts of ten (10) hours day and fourteen (14) hours night, alternating every fourth day, as in the regular fire service.

Each ambulance is fully equipped with all appliances for first aid service.

In addition to men assigned the ambulance service, the Fire Department maintains an outfit of approximately 758 men capable of rendering first aid in emergencies. All members passing the advance and standard courses of the American Red Cross are certified for this service.

The following is a report of service rendered for the year 1934:

Accidents	2,016
Sick	9,598
Hospital Transfers	3,463
Patients removed before arrival of Ambulance or unnecessary calls	1,173
	<hr/> 16,250
Highway calls	2,779
Residence calls	10,008
Hospital calls	3,463
	<hr/> 16,250
Oxygen Administered:	Cases Revived Died
Illuminating Gas	70 46 24
Pneumonia	7 5 2
Heart	3 1 2
Ammonia	1 0 1
Drowning	1 0 1
Hanging	1 0 1
Electrocution	1 0 1
New Born	1 0 1
Unknown	5 2 3
	<hr/> 90 54 36
	<hr/> 90
Blood Transfusions	25



FIRE DEPARTMENT OF BALTIMORE—1934

FIRE ALARM TELEGRAPH SYSTEM

Fire Alarm Telegraph System, under the supervision of Mr. Henry Debelius, Superintendent of Telegraph, installed in 1923, is considered one of the most modern in the country.

Fire Alarm Boxes in service.....	1,468
Box Circuits	68
Alarm Circuits	10
Individual Alarm Circuits.....	1
High Pressure Circuits	1
Independent Circuits	5
American District Telegraph Boxes.....	451

EQUIPMENT—APPARATUS AT HEADQUARTERS:

A manual central office system is in use; most of the equipment was installed in 1923. The apparatus is of Gamewell make and includes a 92-circuit protector board, six 10-circuit and one 12-circuit box relay boards, two 10-circuit alarm relay boards, a switchboard for changing from dynamotors to batteries, a board for connections for spare dynamotors, a small battery charging board, fifteen 5-circuit slashing registers for box circuits, four 5-circuit slashing registers for alarm circuits, two 3-dial 4-figure manual transmitters, a 5-circuit joker repeater, automatic time and date stamps for each register, and a 100-circuit terminal board in the cable room.

On each box and alarm circuit are a tapper, telegraph key, and relay directly in the line, and an annunciator, flash light and register on a local normally-open circuit. A gang key is provided on each alarm relay board and a transmitter switch for operation with either transmitter.

The protector board contains $\frac{1}{2}$ and 1-ampere fuses, vacuum and choke-coil lightning arresters, electro-mechanical circuit breakers, test switches, meters, line jack, line rheostats and pin switch blocks for each circuit.

A punch register, flash light and private telephone are provided for receiving alarms from the American District Telegraph Company.

Circuits enter the basement of the building from underground, where they are connected to an enclosed slate terminal board with cross-connection facilities. From the terminal board the circuits extend in lead cable in a shaftway to the protector board.

CURRENT SUPPLY:

Current for operating the box and alarm circuits is supplied by dynamotors mounted on metal frames in the dynamotor room in the basement. There are 85 machines, one for each circuit, and 12 spares; those for box and primary alarm circuits operate at 110 volts, the secondary alarm circuit at 130 volts and the high pressure pumping station circuit and the independent circuits operate at 100 volts. Dynamotors are serviced by a 240-volt D. C. circuit from the local electric company's lines, with two 5 k. w. Kohler gas-engine-driven generators in reserve; these start up automatically in case the outside source fails. A test showed that it took approximately seven seconds for these gas-driven generators to pick up the load after the outside power was cut off; they are supplied by a 2-inch pipe from the local gas company's street main. In addition, batteries are provided for talking over circuits and for emergency use, as common batteries, for both box and alarm circuits, and two motor-generator sets are also provided which can be used as common supply, if necessary. If these sources should all fail, the searchlight wagons could be stationed outside the building and their generators could supply the necessary current.

Dynamotors are protected by circuit breakers on the switchboard in the operating room and by 3-ampere fuses on the frames.

TELEPHONE SYSTEM:

The fire department telephone system is the property of and maintained by the Chesapeake and Potomac Telephone Company. Fifteen trunk lines are provided to the main exchange of the telephone company, and 5 trunks are provided to the City Hall and 2 to police headquarters. An independent telephone system, consisting of a single circuit in six loops, connects all fire stations with the alarm office; this system is used for simultaneous communications.

OPERATION—ROUTINE AND MAINTENANCE:

Operators work on 8-hour shifts, two fire alarm and two telephone operators being on duty at all times.

Linemen are subject to call by telephone at any time. Five trucks and 15 automobiles are provided for construction, repair and inspection work. Circuits and operating devices are tested at short intervals between hours and at every change of shift. A man devotes most of his time to the inspection and care of dynamotors and batteries. One man devotes his entire time to the inspection of boxes. Complete circuit records and maps showing box locations and wiring diagrams of headquarters' equipment are kept on hand. A good supply of spare parts is kept, including boxes.

All official cars and fireboats are equipped with radio service for emergency.

The Fire Alarm Service is continually being modernized by replacement of cable and Fire Alarm Boxes. Extensive general maintenance of all overhead and underground wires and cable.

FIRE DEPARTMENT OF BALTIMORE—1934

FIRES

Box Alarms	2,061
Special Alarms	3,612
Special Alarms and other causes	339
False Box Alarms	189
False Silent Alarms	37
Total False Alarms	236
Total	6,248

NUMBER OF BUILDINGS

Brick and Stone	3,076
Iron-Clad	36
Frame	594
Concrete Block and Stucco	89
Other than Buildings	2,217
False Alarms	236
Total	6,248

EXTENT OF FIRES

Confined to Building or place of origin	5,982
Extending to adjoining buildings	30
False Alarms	236
Total	6,248

GENERAL STATISTICS

Population, 827,401.
 Area, 91.92 square miles.
 Fire losses—Buildings and contents (approx.), \$1,250,000.
 Number of fires per 1,000 inhabitants, 7.54.
 Percentage of fires confined to building of origin, 0.99.
 Loss per capita, \$1.50.

CLASSIFICATION OF BUILDINGS

Nature of Occupancy

Apartment Houses	281
Automobile Repair and Service	45
Banks	28
Bakeries	10
Buildings under construction	1
Cleaning Establishments	25
Churches	10
Combined Apartments and Business	59
Combined Dwellings and Business	367
Dwellings—Brick and Stone	1,711
Dwellings—Frame	406
Dwellings—Stucco or Concrete	46
Factories	85
Foundries	7
Garages (Public and Private)	134
Hospitals	8
Hotels	19
Halls	7
Lumber and Coal Yards	7
Office Buildings	23
Railroad Stations	1
Rooming Houses	33
Restaurants	26
Schools	14
Sheds	66
Stables and Barns	7
Storehouses and Warehouses	55
Stores	80
Stores (Department)	21
Tenements	6
Theaters	14
Unoccupied Buildings	28
Unclassified	189
Total (Buildings)	3,795

Other Than Buildings

Automobiles	797
Bonfires, Fences, etc.	102
Field and Woods Fires	710
Piers and Wharves	15
Vehicles	188
Vessels and Ships	10
Unclassified	395
Total (Miscellaneous)	2,217
Total (Buildings)	3,795
False Alarms	236
Total	6,248

CLASSIFICATION OF CAUSES

Automobiles (Various Causes)	797
Children playing with matches	35
Cleaning with inflammable material	15
Defective Chimneys and Stove Pipes	360
Defective Heating Appliances	32
Defective Oil Burners and Equipment	31
Defective Wiring	11
Explosions	38
Gasoline Leaks	30
Grease or food on stoves, etc.	30
Hot Ashes	59
Illuminating Gas	12
Incendary	4
Kerosene Stove and Lamps	1
Lighted Cigarettes and Matches	53
Lighted Candles	67
Lighting	10
Overheating Furnaces and Stoves	20
Overheating Motors	174
Overheating Household Appliances	38
Painters Torch	44
Short Circuits	248
Soot in Chimney	353
Sparks	74
Thawing Water Pipes	36
Miscellaneous	224
Unknown Causes	2,551
Total	5,356
Calls for other than fires	656
False Alarms	236
Total	6,248

FIRE DEPARTMENT OF BALTIMORE—1934

OPERATING EXPENSES

Symbol	Account	CREDITS				ENCUMBRANCES AND LIQUIDATIONS		DEBITS		Unencumbered Balances
		1934 Budget Appropriations	Cash Increments	Acctg. Adjust-ments	Total Credits	Encumbrances	Liquidations	Cash Expenditures	Acctg. Adjust-ments	
2.40A	Salaries	\$2,564,448.25	\$41.56	\$13,023.79	\$2,577,513.60			\$2,547,419.33	\$30,094.27	
2.41	Equipment and Repairs	30,000.00	407.55	43,275.71	73,683.26	\$45,249.00	\$44,914.00	71,989.26	1,359.00	
2.42	Hose	8,500.00	87.50		8,587.50	8,571.00	8,571.00	8,573.51		\$13.99
2.43	Fuel and Light	80,000.00		1,963.54	81,963.54	65,964.00	64,759.00	80,366.33	392.21	
2.44	Fire Alarm Telegraph Dept.	18,000.00	1,584.10	10.00	19,594.10	10,462.00	10,462.00	18,554.60	851.47	148.03
2.49	Accident Insurance	2,000.00	500.00		2,500.00			2,222.90	117.95	159.15
2.50	Washing	14,000.00		472.00	14,472.00			14,472.00		
2.54	Overhead and Underground Wires	13,000.00		305.19	13,305.19	12,561.00	12,561.00	12,509.22	789.96	6.01
2.56	Pumping Station Repairs	4,000.00	1.00		4,001.00	413.00	413.00	3,978.47	18.90	3.63
2.57	Fireboat Repairs	12,500.00	1,551.20		14,051.20	9,955.00	9,955.00	14,046.84		4.36
2.58	Municipal Heating Line Repairs	1,000.00			1,000.00	102.00	102.00	994.75		5.25
2.59	Fire Alarm Boxes	7,500.00			7,500.00	7,409.00	7,409.00	7,470.80		29.20
2.60	Ambulances 1935							5,649.00		5,649.00 DR.
2.60	Tractors for Water Towers	10,000.00			10,000.00			10,000.00		
6.37	Ambulance for City Hospitals	3,000.00	54.64		3,054.64	2,980.00	2,980.00	2,979.14		75.50
11.10	Firemen's Regular Pensions	185,513.76		996.41	186,510.17			186,510.17		
11.11	Pensions and Workman's Comp.									
	Firemen's Widows	22,837.50			22,837.50			22,041.91		795.59
		<u>\$2,976,299.51</u>	<u>\$4,227.55</u>	<u>\$60,046.64</u>	<u>\$3,040,573.70</u>	<u>\$163,666.00</u>	<u>\$162,126.00</u>	<u>\$3,009,818.23</u>	<u>\$33,623.76</u>	<u>\$4,408.29 DR.</u>

FIRE DEPARTMENT OF BALTIMORE—1934

PROPERTY—VALUATION OF LOTS, BUILDINGS AND EQUIPMENT

Companies	Acquired	Location	Size of Lot (Feet)	Building	Cost Lot	Valuation of Property	Estimated Value of Equipment
No. 1 Engine Company	1907	Paca St. near Mulberry St.	411'x141	\$44,977.01	\$14,506.90	\$50,000.00	\$22,500.00
No. 2 Engine Company	1902	Light and Montgomery Sts.	33x100	22,293.35	7,706.65	40,000.00	18,000.00
No. 3 Engine Company	1859	Lombard St. near High St.	21'—91'x120	8,000.00	3,333.33	18,300.00	15,000.00
No. 4 Engine Company	1920	Lexington St. near Guilford Ave.	34x140	13,000.00	1,924.18	33,400.00	15,000.00
No. 5 Engine Company	1859	Ann St. near Gough St.	33x140	13,000.00	8,314.00	35,000.00	17,000.00
No. 6 Engine Company	1859	Gay and Ensor Sts.	48—8x107—2	22,000.00	10,000.00	40,000.00	17,000.00
No. 7 Engine Company	1859	Eutaw St. and Druid Hill Ave.	33x57	13,000.00	5,500.00	30,000.00	17,000.00
No. 8 Engine Company	1859	Lafayette Ave. near Scribner St.	50—1x145	14,000.00	5,000.00	30,000.00	11,000.00
No. 9 Engine Company	1872	Madison and McDonough Sts.	33x152	12,000.00	2,440.00	25,000.00	16,000.00
No. 10 Engine Company	1872	Washington Blvd. near Poppleton St.	22x100	12,000.00	1,173.33	20,000.00	17,000.00
No. 11 Engine Company	1874	Eastern and Patterson Park Aves.	22x64	12,000.00	.....	20,000.00	.....
No. 12 Engine Company	1875	Fort and Riverside Aves.	25x125	12,000.00	.....	25,000.00	13,000.00
No. 13 Engine Company	1876	Myrtle Ave. and Fremont St.	192—6x180x8	19,463.00	2,500.00	30,000.00	19,000.00
No. 14 Engine Company	1888	Hollins St. near Monroe St.	62—51'x130—31	14,000.00	3,000.00	30,000.00	16,000.00
No. 15 Engine Company	1890	Lombard St. near Howard St.	33x170	20,000.00	10,000.00	30,000.00	25,000.00
No. 16 Engine Company	1909	Pier No. 7, Foot of President St.	Fire Boat	13,965.00	.....	15,000.00	.....
No. 17 Engine Company	1895	Fort Ave. and Haubert St.	51—8x97	13,000.00	2,150.00	40,000.00	17,000.00
No. 18 Engine Company	1892	Twenty-first St. near Maryland Ave.	36x140	13,600.00	3,400.00	30,000.00	20,000.00
No. 19 Engine Company	1892	North Ave. and Bond Street	40x120	16,000.00	4,000.00	50,000.00	17,000.00
No. 20 Engine Company	1896	North Ave. near Ellamont St.	60x110	18,500.00	1,543.75	50,000.00	19,000.00
No. 21 Engine Company	1897	Roland and Union Aves.	50x90	15,000.00	2,500.00	50,000.00	15,000.00
No. 22 Engine Company	1901	Linwood Ave. and O'Donnell St.	60x120	21,846.00	.....	50,000.00	19,000.00
No. 23 Engine Company	1902	Saratoga St. near Howard St.	50x80	22,354.00	3,145.25	50,000.00	18,000.00
No. 24 Engine Company	1903	Patterson Park Ave. near Fayette St.	25x85	16,500.00	3,500.00	23,500.00	17,000.00
No. 25 Engine Company	1903	McCulloch and Gold Sts.	371'x120	118,112.12	3,020.00	40,000.00	15,000.00
No. 26 Engine Company	1905	West and Leadenhall Sts.	40x100	20,065.16	2,434.84	30,000.00	15,000.00
No. 27 Engine Company	1905	Washington Blvd. opp. Greene St.	46x168—51	17,900.00	8,100.00	35,000.00	15,000.00
No. 28 Engine Company	1906	Gulftown and Mt. Royal Aves.	45x115—9x147—1	23,526.25	8,473.75	50,000.00	17,000.00
No. 29 Engine Company	1906	Park Heights Ave. near Allen Ave.	60—3x125	28,077.93	2,083.10	60,000.00	15,000.00
No. 30 Engine Company	1907	Frederick Ave. near Calton Ave.	72x150	29,000.00	4,368.75	60,000.00	15,000.00
No. 31 Engine Company	1901	Greenmount Ave. near Gorsuch Ave.	50x150	17,677.33	4,797.23	60,000.00	15,000.00
No. 32 Engine Company	1907	Gay St. near Baltimore St.	66x1221	29,671.57	29,673.43	180,000.00	15,000.00
No. 33 Engine Company	1909	Gorsuch Ave. near Harford Ave.	55x90	26,746.49	3,395.12	55,000.00	17,000.00
No. 34 Engine Company	1908	Caroline St. near Gough St.	37—7x100	24,951.98	5,048.02	45,000.00	17,000.00
No. 35 Engine Company	1919	Fifth and Potomac Sts.	48x100	5,500.00	3,250.00	25,000.00	15,000.00
No. 36 Engine Company	1909	Edmondson Ave. and Bentalou St.	50x187	27,911.42	3,043.75	45,000.00	17,000.00
No. 37 Engine Company	1909	Ridgely St. near West St.	50x155	24,040.38	3,800.72	40,000.00	15,000.00
No. 38 Engine Company	1909	Baltimore St. near Fremont Ave.	45—7x153—2	23,936.30	11,063.70	65,000.00	19,000.00
No. 39 Engine Company	1910	Fort McHenry	Fire Boat	.....	.....	175,000.00	.....
No. 40 Engine Company	1922	Liberty Heights and Packard Aves.	60x127—5	22,550.00	1,500.00	40,000.00	14,000.00
No. 41 Engine Company	1919	Third St. near Eastern Ave.	45x125	35,000.00	4,500.00	48,000.00	15,000.00
No. 42 Engine Company	1919	Southern Ave. near Belair Road	18x67	10,000.00	12,000.00	12,000.00	15,000.00
No. 43 Engine Company	1919	Bellona and Lyman Aves.	24x106	15,000.00	3,500.00	20,000.00	15,000.00
No. 44 Engine Company	1919	Upland Road near Roland Ave.	32—1x69—3	25,000.00	6,500.00	20,000.00	17,000.00
No. 45 Engine Company	1919	North Ave. and First St. Mt. Washington	17—9x67	15,000.00	4,500.00	20,000.00	15,000.00
No. 46 Engine Company	1919	Reisterstown Road and Belair Ave.	100x100	10,000.00	7,500.00	20,000.00	14,000.00
No. 47 Engine Company	1922	Washington Blvd. and Eighth St.	50x158	48,362.38	1,503.25	35,000.00	15,000.00
No. 48 Engine Company	1922	Pier No. 3, Canton	Fire Boat	13,500.00	.....	15,000.00	200,000.00
No. 49 Engine Company	1922	Foot of Benhill Ave. Curtis Bay	Fire Boat	13,000.00	.....	15,000.00	6,000.00
No. 50 Engine Company	1921	Fifth Ave. and 14th St.	48x120	34,597.54	1,000.00	35,000.00	15,000.00
No. 51 Engine Company	1922	Highland Ave. and Monument St.	75x105	34,808.29	3,755.25	40,000.00	15,000.00
No. 52 Engine Company	1922	Montford Ave. and Kentenworthy Terrace	134—5x180	30,100.34	901.30	40,000.00	15,000.00
No. 53 Engine Company	1922	Swan Ave. near Edmondson Ave.	50x146	21,970.92	.....	35,000.00	15,000.00
No. 54 Engine Company	1922	White Ave. near Belair Road	14.43x238.45x137x171.87	20,631.93	1,002.40	35,000.00	15,000.00
No. 55 Engine Company	1923	Bush and Carroll Sts.	72x110—8	61,421.67	3,044.63	75,000.00	15,000.00
No. 56 Engine Company	1923	Harford Rd. near Fleetwood Ave.	65—3x133—6	44,132.85	2,000.40	40,000.00	15,000.00
No. 57 Engine Company	1923	Pennington Ave. and Filbert St.	50x150	25,000.00	.....	35,000.00	15,000.00
No. 58 Engine Company	1923	Maryland and Indiana Aves.	50x110	45,577.50	.....	40,000.00	15,000.00
No. 1 Truck Company	1907	See No. 32 Engine Company	.....	.....	.....	.....	18,000.00
No. 2 Truck Company	1859	Paca St. near Fayette St.	33x150	26,715.08	5,000.00	65,000.00	16,000.00
No. 3 Truck Company	1859	See No. 5 Engine Company	.....	.....	.....	.....	15,000.00
No. 4 Truck Company	1897	McCulloch St. near Preston St.	42x100	24,935.00	7,265.00	50,000.00	16,000.00
No. 5 Truck Company	1904	Harford Ave.	34—31'x94'x90'x8—1	24,935.00	4,576.01	65,000.00	15,000.00
No. 6 Truck Company	1888	Hanover and Ostend Sts.	25x133	12,000.00	2,000.00	25,000.00	16,000.00
No. 7 Truck Company	1901	See No. 31 Engine Company	.....	.....	.....	.....	15,000.00
No. 8 Truck Company	1907	See No. 30 Engine Company	.....	.....	.....	.....	8,500.00
No. 9 Truck Company	1897	See No. 21 Engine Company	.....	.....	.....	.....	8,500.00
No. 10 Truck Company	1895	See No. 8 Engine Company	.....	.....	.....	.....	15,000.00
No. 11 Truck Company	1898	North Ave. and McMeen St.	111x130x172	26,500.00	8,000.00	50,000.00	16,000.00
No. 12 Truck Company	1905	Liberty Heights and Garrison Ave.	50x106	21,330.66	1,979.00	48,000.00	8,500.00
No. 13 Truck Company	1905	Carey St. near Lombard	41x80	24,156.69	5,234.99	40,000.00	16,000.00
No. 14 Truck Company	1919	Harford Road near Grindon Lane	39—6x180	5,000.00	3,000.00	30,000.00	9,500.00
No. 15 Truck Company	1907	Montford Ave. near Mura St.	100x100	22,000.74	2,000.63	40,000.00	15,000.00
No. 16 Truck Company	1909	Calvert and Read Sts.	40x165	38,534.12	8,081.45	50,000.00	16,000.00
No. 17 Truck Company	1909	See No. 22 Engine Company	.....	.....	.....	.....	15,000.00
No. 18 Truck Company	1911	See No. 20 Engine Company	.....	.....	.....	.....	15,000.00
No. 19 Truck Company	1916	See No. 17 Engine Company	.....	.....	.....	.....	8,500.00
No. 20 Truck Company	1920	See No. 4 Engine Company	.....	.....	.....	.....	8,500.00
No. 21 Truck Company	1921	See No. 35 Engine Company	.....	.....	.....	.....	8,500.00
No. 22 Truck Company	1922	See No. 29 Engine Company	.....	.....	.....	.....	8,500.00
No. 23 Truck Company	1923	See No. 55 Engine Company	.....	.....	.....	.....	15,000.00
No. 24 Truck Company	1923	Eastern Ave. and 25th St.	109—8x115	44,142.33	.....	35,000.00	9,500.00
No. 25 Truck Company	1926	See No. 44 Engine Company	.....	.....	.....	.....	9,500.00
No. 26 Truck Company	1934	Mannassah Ave. opp. Bowleys Lane	120'x228'x13'	36,882.42	2,618.70	40,000.00	17,500.00
No. 1 Hose Company	1912	Gay St. near Baltimore St.	32'x787—21/2	24,113.81	10,647.60	40,000.00	14,000.00
No. 2 Hose Company	1912	See No. 15 Engine Company	.....	.....	.....	.....	11,000.00
No. 3 Hose Company	1921	See No. 11 Truck Company	.....	.....	.....	.....	8,000.00
No. 4 Hose Company	1922	See No. 12 Engine Company	.....	.....	.....	.....	8,000.00
No. 5 Hose Company	1924	See No. 34 Engine Company	.....	.....	.....	.....	8,000.00
No. 1 Water Tower	1891	See No. 2 Truck Company	.....	.....	.....	.....	15,000.00
No. 2 Water Tower	1908	See No. 1 Hose Company	.....	.....	.....	.....	15,000.00
No. 1 Chemical Co.	1924	See No. 41 Engine Company	.....	.....	.....	.....	8,000.00
No. 2 Chemical Co.	1920	See No. 57 Engine Company	.....	.....	.....	.....	8,000.00
No. 3 Chemical Co.	1926	See No. 3 Truck Company	.....	.....	.....	.....	6,500.00
No. 4 Chemical Co.	1926	See No. 18 Engine Company	.....	.....	.....	.....	6,500.00
High Pressure Service	1912	Pumping Station, South St.	69—31/2'x137	152,091.06	32,633.40	185,000.00	194,532.00
Pipe Line	1912	.....	.....	.....	.....	.....	.....
Repair Shop	1925	Key Highway and Webster St.	180x480x560	.....	.....	125,000.00	596,018.84
Fire Dept. Headquarters	1922	Lexington and Gay Sts.	130x32—5	116,149.18	.....	250,000.00	10,000.00
Fire Alarm Telegraph	1922	See Fire Dept. Headquarters	.....	.....	.....	.....	313,552.75
Property	1921	Oak and 28th Sts.	73x150	4,700.00
				\$1,888,685.67	\$352,073.04	\$3,442,800.00	\$2,932,604.59



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